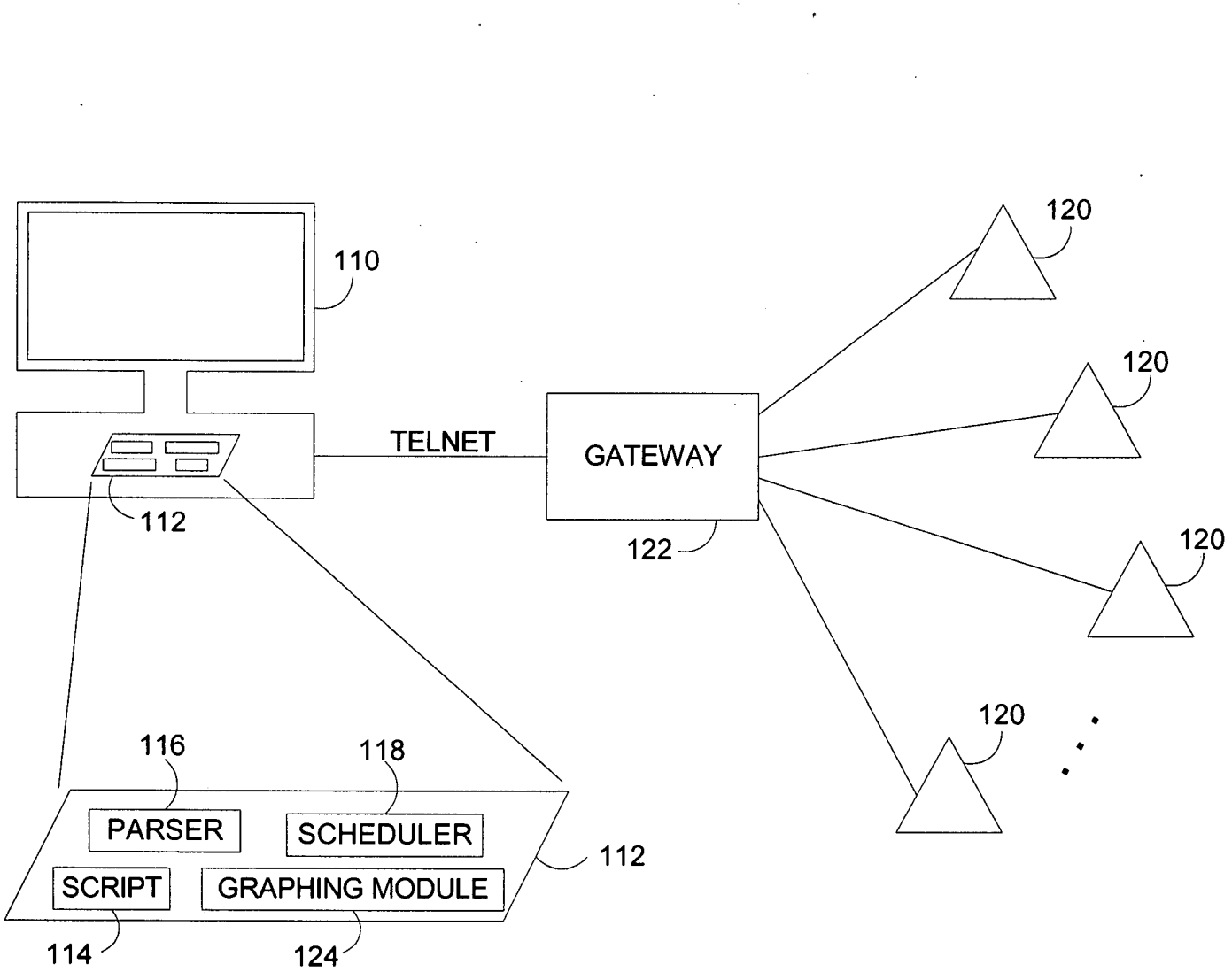

100
110
120
120
120
120
TELNET
GATEWAY
112
122
116
118
PARSER
SCHEDULER
112
SCRIPT
GRAPHING MODULE
114
124

FIG. 1A

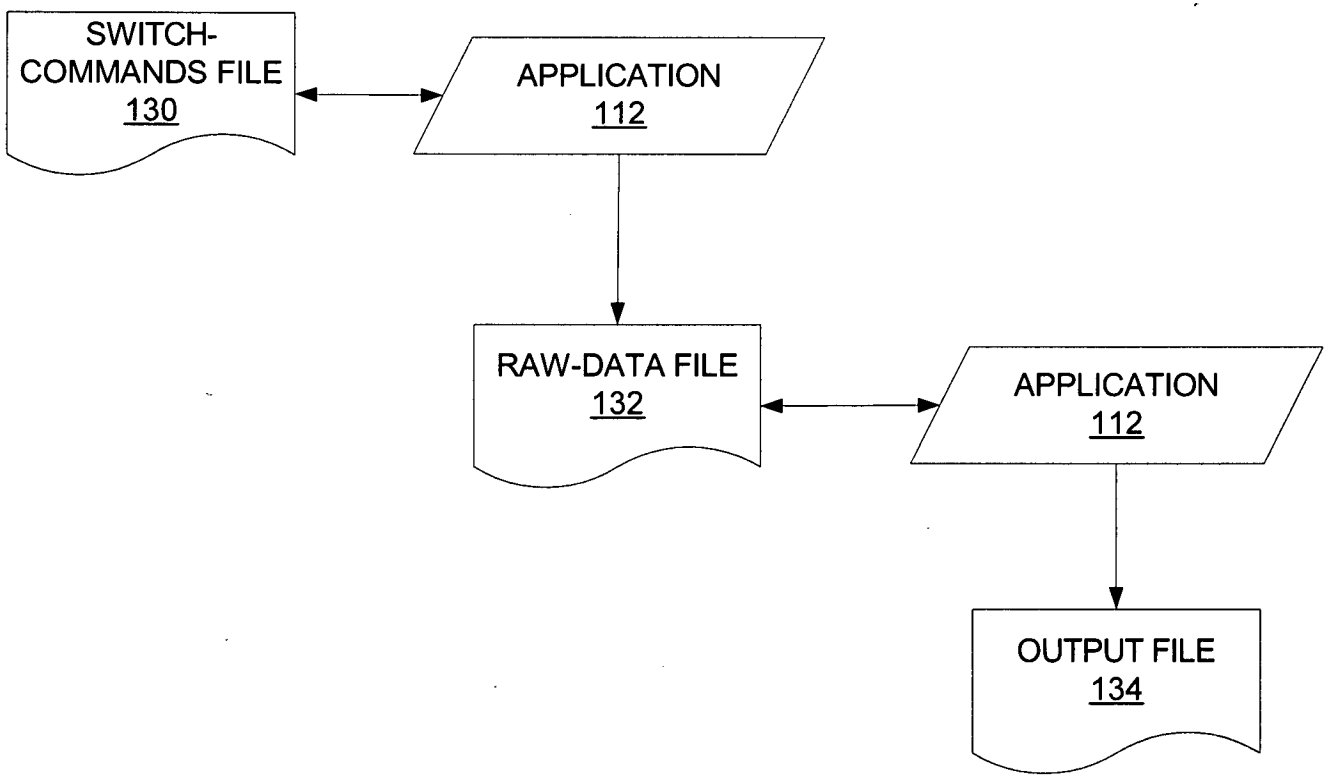

SWITCH-
COMMANDS FILE
130
APPLICATION
112
RAW-DATA FILE
132
APPLICATION
112
OUTPUT FILE
134

FIG. 1B

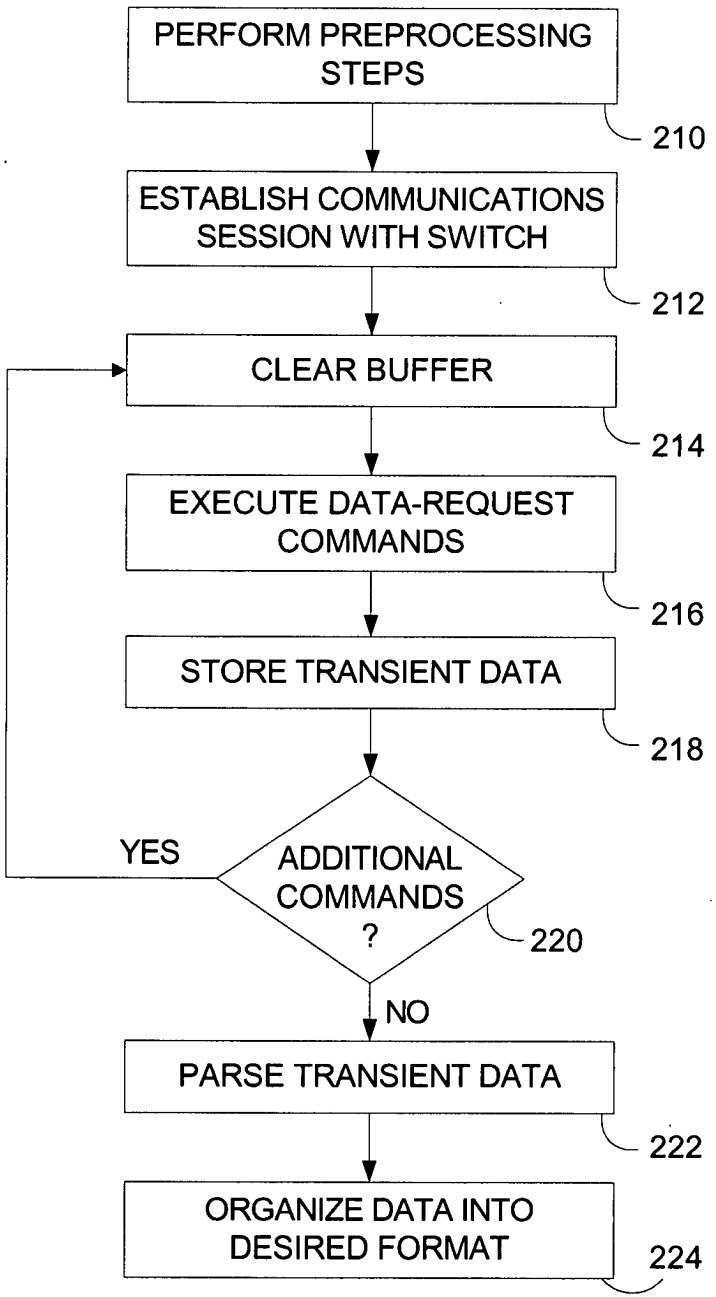
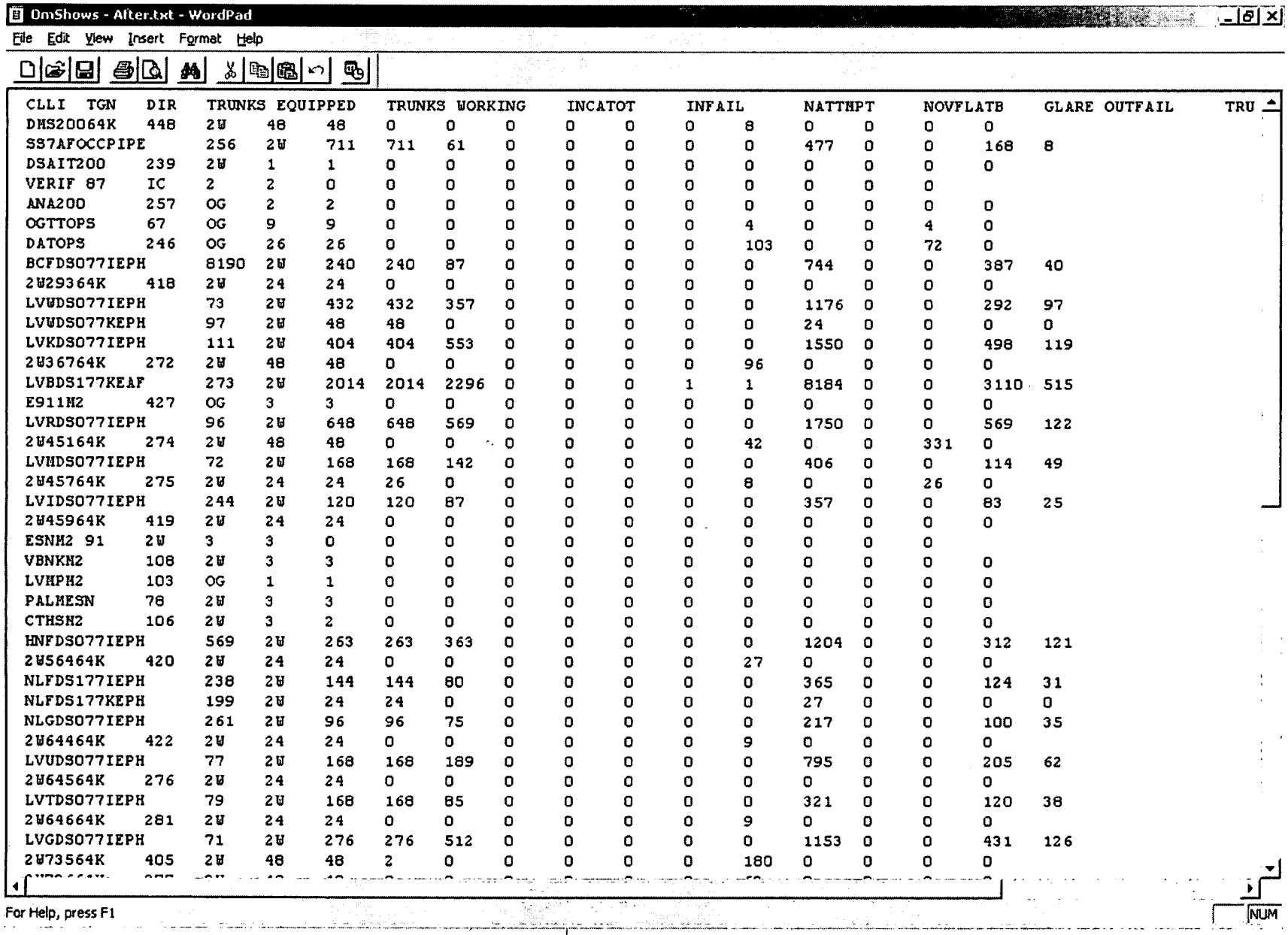

PERFORM PREPROCESSING STEPS
210
ESTABLISH COMMUNICATIONS SESSION WITH SWITCH
212
CLEAR BUFFER
214
EXECUTE DATA-REQUEST COMMANDS
216
STORE TRANSIENT DATA
218
ADDITIONAL COMMANDS ?
220
YES
NO
PARSE TRANSIENT DATA
222
ORGANIZE DATA INTO DESIRED FORMAT
224

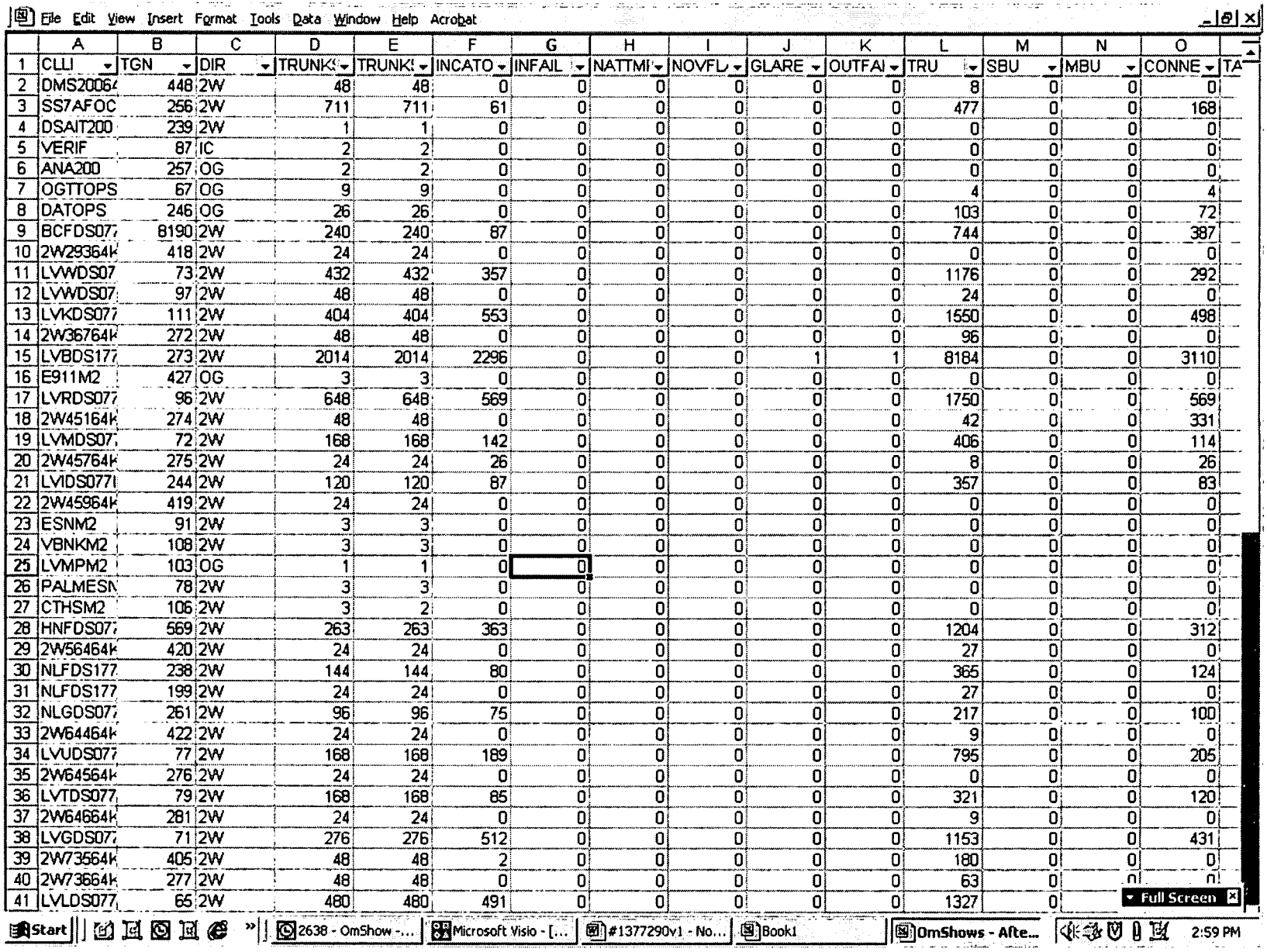
FIG. 2



CLLI	TGN	DIR	TRUNKS EQUIPPED		TRUNKS WORKING		INCATOT		INFAIL		NATTMPT		NOVFLATB		GLARE	OUTFAIL	TRU
DMS20064K	448	2W	48	48	0	0	0	0	0	8	0	0	0	0			
SS7AFOCCPIPE		256	2W	711	711	61	0	0	0	0	477	0	0	168	8		
DSAIT200	239	2W	1	1	0	0	0	0	0	0	0	0	0	0			
VERIF 87	IC	2	2	0	0	0	0	0	0	0	0	0	0				
ANA200	257	OG	2	2	0	0	0	0	0	0	0	0	0	0			
OGTTOPS	67	OG	9	9	0	0	0	0	0	4	0	0	4	0			
DATOPS	246	OG	26	26	0	0	0	0	0	103	0	0	72	0			
BCFDS077IEPH		8190	2W	240	240	87	0	0	0	0	744	0	0	387	40		
2W29364K	418	2W	24	24	0	0	0	0	0	0	0	0	0	0			
LVWDS077IEPH		73	2W	432	432	357	0	0	0	0	1176	0	0	292	97		
LVWDS077KEPH		97	2W	48	48	0	0	0	0	0	24	0	0	0	0		
LVKDS077IEPH		111	2W	404	404	553	0	0	0	0	1550	0	0	498	119		
2W36764K	272	2W	48	48	0	0	0	0	0	96	0	0	0	0			
LVBDS177KEAF		273	2W	2014	2014	2296	0	0	0	1	8184	0	0	3110	515		
E911M2	427	OG	3	3	0	0	0	0	0	0	0	0	0	0			
LVRDS077IEPH		96	2W	648	648	569	0	0	0	0	1750	0	0	569	122		
2W45164K	274	2W	48	48	0	0	0	0	0	42	0	0	331	0			
LVMDS077IEPH		72	2W	168	168	142	0	0	0	0	406	0	0	114	49		
2W45764K	275	2W	24	24	26	0	0	0	0	8	0	0	26	0			
LVIDS077IEPH		244	2W	120	120	87	0	0	0	0	357	0	0	83	25		
2W45964K	419	2W	24	24	0	0	0	0	0	0	0	0	0	0			
ESNM2 91	2W	3	3	0	0	0	0	0	0	0	0	0	0				
VBNKM2	108	2W	3	3	0	0	0	0	0	0	0	0	0	0			
LVMPM2	103	OG	1	1	0	0	0	0	0	0	0	0	0	0			
PALMESN	78	2W	3	3	0	0	0	0	0	0	0	0	0	0			
CTHSM2	106	2W	3	2	0	0	0	0	0	0	0	0	0	0			
HNFDS077IEPH		569	2W	263	263	363	0	0	0	0	1204	0	0	312	121		
2W56464K	420	2W	24	24	0	0	0	0	0	27	0	0	0	0			
NLFDS177IEPH		238	2W	144	144	80	0	0	0	0	365	0	0	124	31		
NLFDS177KEPH		199	2W	24	24	0	0	0	0	0	27	0	0	0	0		
NLGDS077IEPH		261	2W	96	96	75	0	0	0	0	217	0	0	100	35		
2W64464K	422	2W	24	24	0	0	0	0	0	9	0	0	0	0			
LVUDS077IEPH		77	2W	168	168	189	0	0	0	0	795	0	0	205	62		
2W64564K	276	2W	24	24	0	0	0	0	0	0	0	0	0	0			
LVTDS077IEPH		79	2W	168	168	85	0	0	0	0	321	0	0	120	38		
2W64664K	281	2W	24	24	0	0	0	0	0	9	0	0	0	0			
LVGDS077IEPH		71	2W	276	276	512	0	0	0	0	1153	0	0	431	126		
2W73564K	405	2W	48	48	2	0	0	0	0	180	0	0	0	0			

134

FIG. 3



File Edit View Insert Format Tools Data Window Help Acrobat

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	CLLI	TGN	DIR	TRUNK	TRUNK	INCATO	INFAIL	NATTMI	NOVFL	GLARE	OUTFAI	TRU	SBU	MBU	CONNE	TA
2	DMS2006	448	2W	48	48	0	0	0	0	0	0	8	0	0	0	
3	SS7AFOC	256	2W	711	711	61	0	0	0	0	0	477	0	0	168	
4	DSAIT200	239	2W	1	1	0	0	0	0	0	0	0	0	0	0	
5	VERIF	87	IC	2	2	0	0	0	0	0	0	0	0	0	0	
6	ANA200	257	OG	2	2	0	0	0	0	0	0	0	0	0	0	
7	OGTTOPS	67	OG	9	9	0	0	0	0	0	0	4	0	0	4	
8	DATOPS	246	OG	26	26	0	0	0	0	0	0	103	0	0	72	
9	BCFDS07	8190	2W	240	240	87	0	0	0	0	0	744	0	0	387	
10	2W29364K	418	2W	24	24	0	0	0	0	0	0	0	0	0	0	
11	LVWDS07	73	2W	432	432	357	0	0	0	0	0	1176	0	0	292	
12	LVWDS07	97	2W	48	48	0	0	0	0	0	0	24	0	0	0	
13	LVKDS077	111	2W	404	404	553	0	0	0	0	0	1550	0	0	498	
14	2W36764K	272	2W	48	48	0	0	0	0	0	0	96	0	0	0	
15	LVBDS177	273	2W	2014	2014	2296	0	0	0	1	1	8184	0	0	3110	
16	E911M2	427	OG	3	3	0	0	0	0	0	0	0	0	0	0	
17	LVRDS077	96	2W	648	648	569	0	0	0	0	0	1750	0	0	569	
18	2W45164K	274	2W	48	48	0	0	0	0	0	0	42	0	0	331	
19	LVMDS07	72	2W	168	168	142	0	0	0	0	0	406	0	0	114	
20	2W45764K	275	2W	24	24	26	0	0	0	0	0	8	0	0	26	
21	LVIDS077	244	2W	120	120	87	0	0	0	0	0	357	0	0	83	
22	2W45964K	419	2W	24	24	0	0	0	0	0	0	0	0	0	0	
23	ESNM2	91	2W	3	3	0	0	0	0	0	0	0	0	0	0	
24	VBNKM2	108	2W	3	3	0	0	0	0	0	0	0	0	0	0	
25	LVMPM2	103	OG	1	1	0	0	0	0	0	0	0	0	0	0	
26	PALMESN	78	2W	3	3	0	0	0	0	0	0	0	0	0	0	
27	CTHSM2	106	2W	3	2	0	0	0	0	0	0	0	0	0	0	
28	HNFDS07	569	2W	263	263	363	0	0	0	0	0	1204	0	0	312	
29	2W56464K	420	2W	24	24	0	0	0	0	0	0	27	0	0	0	
30	NLFDS177	238	2W	144	144	80	0	0	0	0	0	365	0	0	124	
31	NLFDS177	199	2W	24	24	0	0	0	0	0	0	27	0	0	0	
32	NLGDS07	261	2W	96	96	75	0	0	0	0	0	217	0	0	100	
33	2W64464K	422	2W	24	24	0	0	0	0	0	0	9	0	0	0	
34	LVUDS077	77	2W	168	168	189	0	0	0	0	0	795	0	0	205	
35	2W64564K	276	2W	24	24	0	0	0	0	0	0	0	0	0	0	
36	LVTDS077	79	2W	168	168	85	0	0	0	0	0	321	0	0	120	
37	2W64664K	281	2W	24	24	0	0	0	0	0	0	9	0	0	0	
38	LVGDS07	71	2W	276	276	512	0	0	0	0	0	1153	0	0	431	
39	2W73564K	405	2W	48	48	2	0	0	0	0	0	180	0	0	0	
40	2W73664K	277	2W	48	48	0	0	0	0	0	0	63	0	0	0	
41	LVLDS077	65	2W	480	480	491	0	0	0	0	0	1327	0			

Full Screen

Start | 2638 - OmShow -... | Microsoft Visio - [... | #1377290v1 - No... | Book1 | OmShows - Afte... | 2:59 PM

FIG. 4

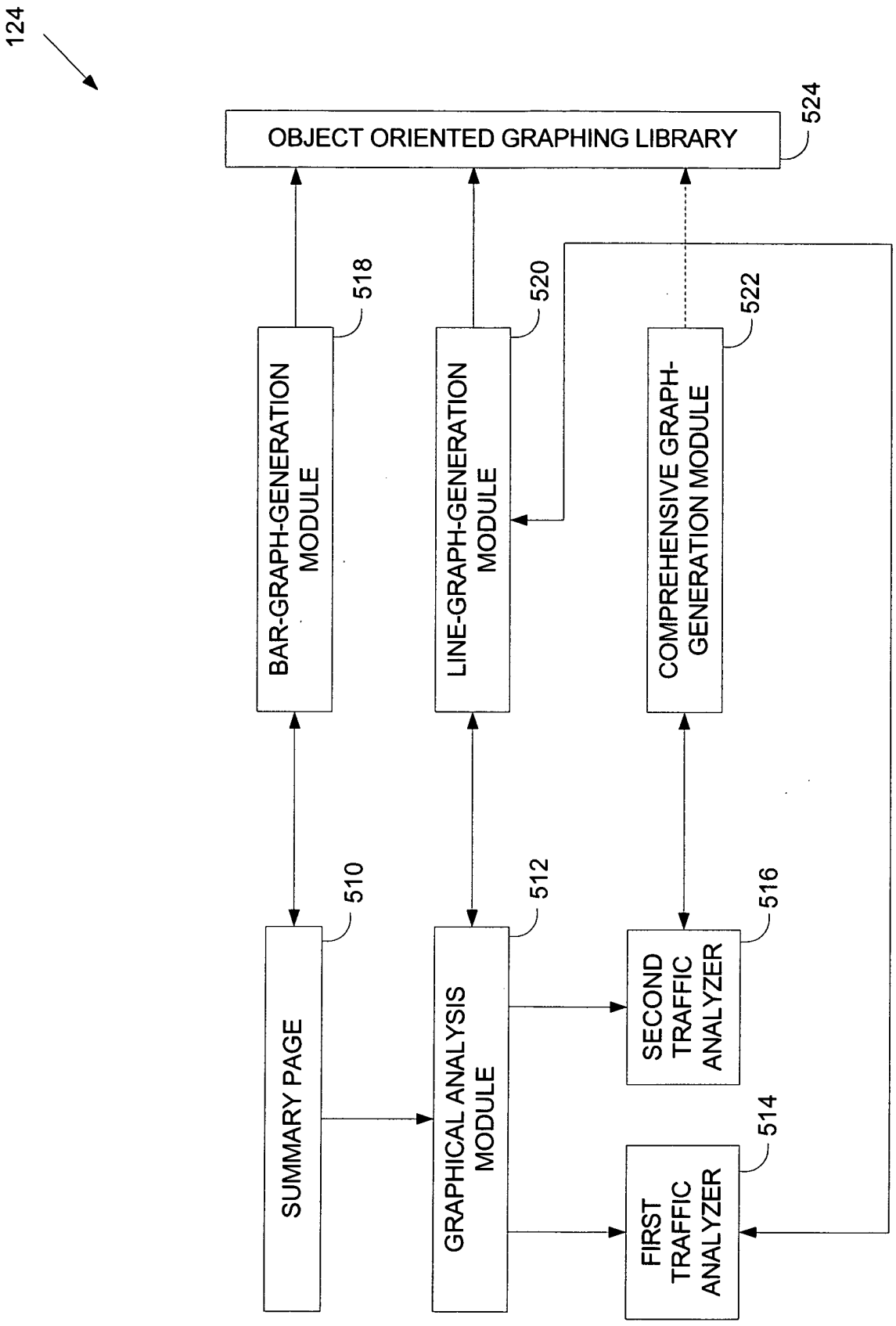

124
OBJECT ORIENTED GRAPHING LIBRARY
524
BAR-GRAPH-GENERATION MODULE
518
LINE-GRAPH-GENERATION MODULE
520
COMPREHENSIVE GRAPH-GENERATION MODULE
522
SUMMARY PAGE
510
GRAPHICAL ANALYSIS MODULE
512
SECOND TRAFFIC ANALYZER
516
FIRST TRAFFIC ANALYZER
514

FIG. 5

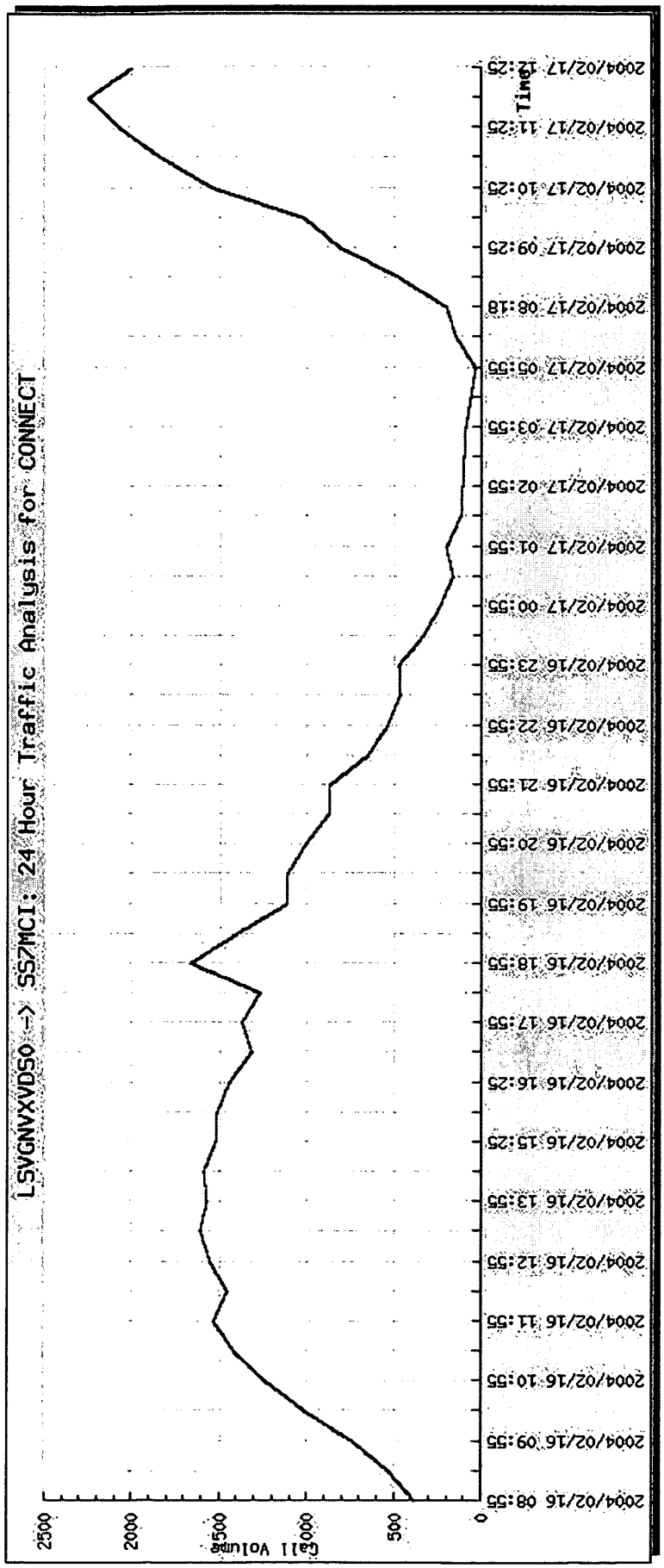

LSVGNVXVDSO --> SS7MCI: 24 Hour Traffic Analysis for CONNECT
Call Volume
Time
2500
2000
1500
1000
500
0
2004/02/16 08:55
2004/02/16 09:55
2004/02/16 10:55
2004/02/16 11:55
2004/02/16 12:55
2004/02/16 13:55
2004/02/16 15:25
2004/02/16 16:25
2004/02/16 17:55
2004/02/16 18:55
2004/02/16 19:55
2004/02/16 20:55
2004/02/16 21:55
2004/02/16 22:55
2004/02/16 23:55
2004/02/17 00:55
2004/02/17 01:55
2004/02/17 02:55
2004/02/17 03:55
2004/02/17 05:55
2004/02/17 08:18
2004/02/17 09:25
2004/02/17 10:25
2004/02/17 11:25
2004/02/17 12:25

FIG. 6A

LSVGNVXVDS0: omshow trk active [clli] - Microsoft Internet Explorer provided by Sprint

Address http://epcs11074/OmShow%20C2P%20Cutover/LSVGNVXVDS0/TRKACTIVE/

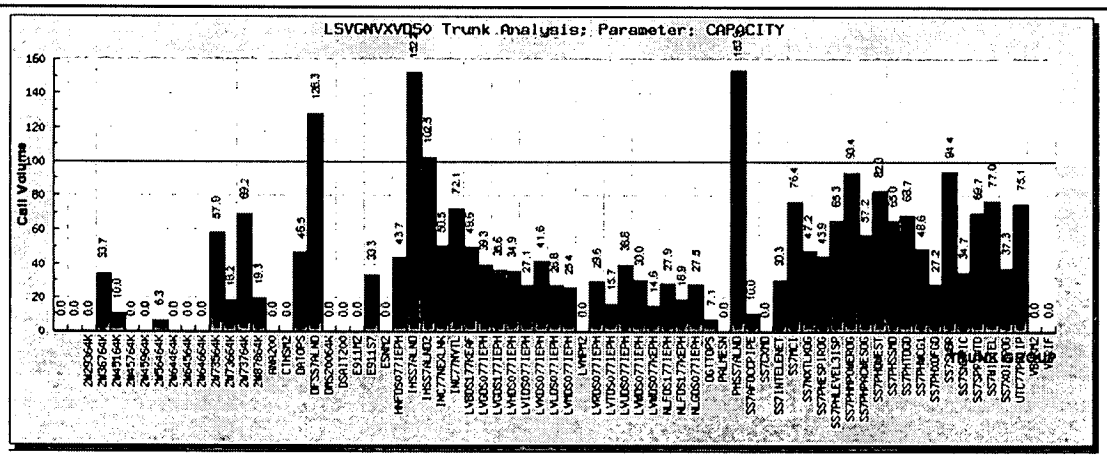
LSVGNVXVDS0

Las Vegas South South (361)

Command Set Run: omshow trk active [clli]

Frequency. Every 30 minutes

Results last posted at. 12:26.46 February 05 2004.

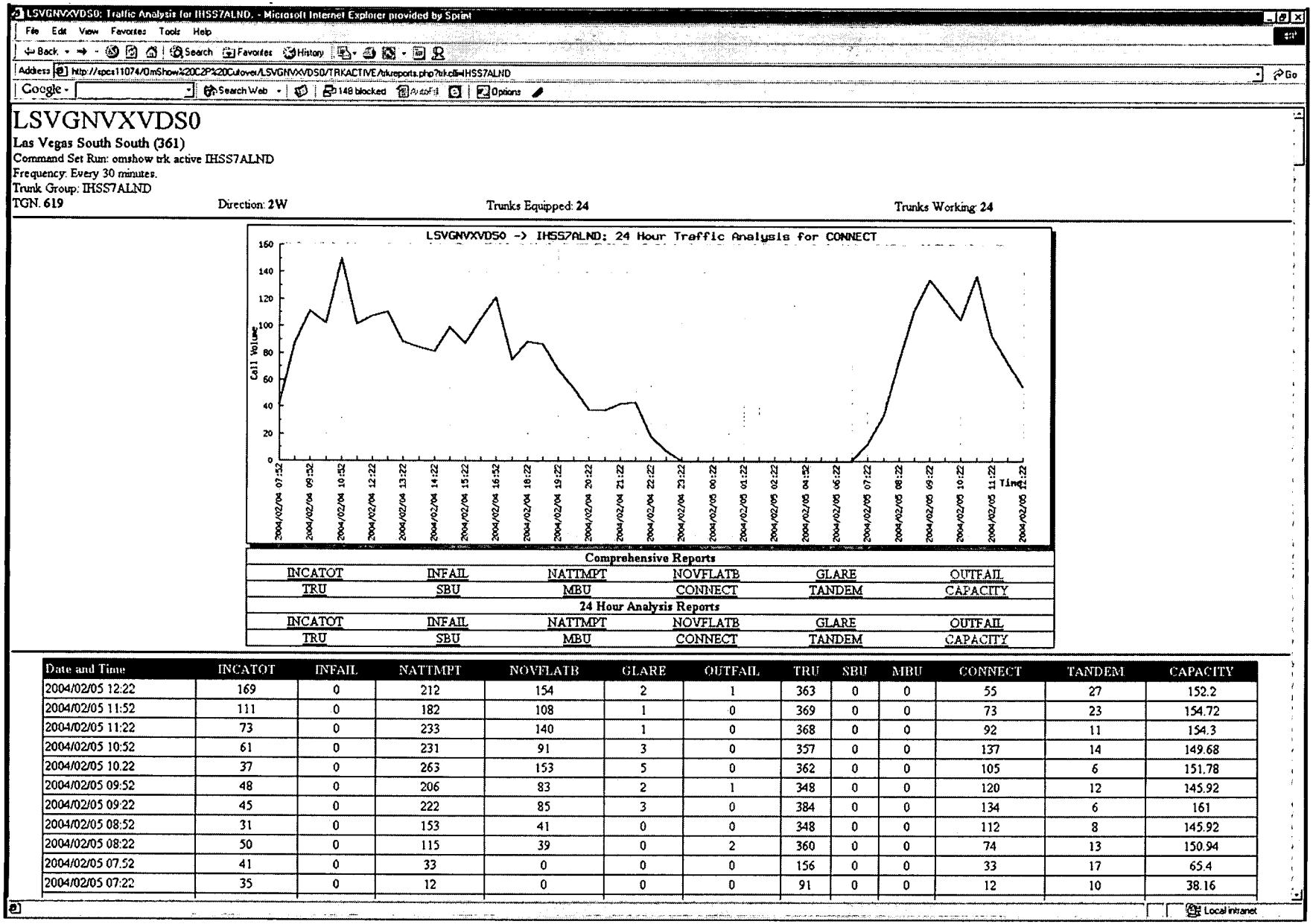


CLLI	TGN	DIR	TRUNKS EQUIPPED	TRUNKS WORKING	INCATOT	INFAIL	NATTMPT	NOVFLATB	GLARE	OUTFAIL	TRU	SBU	MBU	CONNECT	TANDEM	CAPACITY
2W29364K	418	2W	24	0	0	0	0	0	0	0	0	0	0	0	0	0
2W36764K	272	2W	48	48	0	0	22	0	0	0	194	0	0	22	0	33.66
2W45164K	274	2W	48	47	0	0	0	0	0	0	56	0	0	0	0	9.96
2W45764K	275	2W	24	24	0	0	0	0	0	0	0	0	0	0	0	0
2W45964K	419	2W	24	24	0	0	0	0	0	0	0	0	0	0	0	0
2W56464K	420	2W	24	24	0	0	0	0	0	0	15	0	0	0	0	6.28
2W64464K	422	2W	24	24	0	0	0	0	0	0	0	0	0	0	0	0
2W64564K	276	2W	24	24	0	0	0	0	0	0	0	0	0	0	0	0
2W64664K	281	2W	24	24	0	0	0	0	0	0	0	0	0	0	0	0
2W73564K	405	2W	48	48	0	0	49	0	0	0	334	0	0	49	0	57.94
2W73664K	277	2W	48	48	0	0	0	0	0	0	105	0	0	0	0	18.22
2W73764K	278	2W	24	24	0	0	0	0	0	0	165	0	0	0	0	69.18
2W87864K	279	2W	48	48	49	0	2	0	0	0	111	0	0	2	0	19.26
ANA200	257	OG	2	2	0	0	0	0	0	0	0	0	0	0	0	0
CTHSM2	106	2W	3	2	0	0	0	0	0	0	0	0	0	0	0	0
DATOPS	246	OG	31	31	0	0	119	0	0	0	155	0	0	119	0	46.48

Done

Local intranet

FIG. 6B



Date and Time	INCATOT	INFAIL	NATTMPT	NOVFLATB	GLARE	OUTFAIL	TRU	SBU	MBU	CONNECT	TANDEM	CAPACITY
2004/02/05 12:22	169	0	212	154	2	1	363	0	0	55	27	152.2
2004/02/05 11:52	111	0	182	108	1	0	369	0	0	73	23	154.72
2004/02/05 11:22	73	0	233	140	1	0	368	0	0	92	11	154.3
2004/02/05 10:52	61	0	231	91	3	0	357	0	0	137	14	149.68
2004/02/05 10:22	37	0	263	153	5	0	362	0	0	105	6	151.78
2004/02/05 09:52	48	0	206	83	2	1	348	0	0	120	12	145.92
2004/02/05 09:22	45	0	222	85	3	0	384	0	0	134	6	161
2004/02/05 08:52	31	0	153	41	0	0	348	0	0	112	8	145.92
2004/02/05 08:22	50	0	115	39	0	2	360	0	0	74	13	150.94
2004/02/05 07:52	41	0	33	0	0	0	156	0	0	33	17	65.4
2004/02/05 07:22	35	0	12	0	0	0	91	0	0	12	10	38.16

FIG. 6C

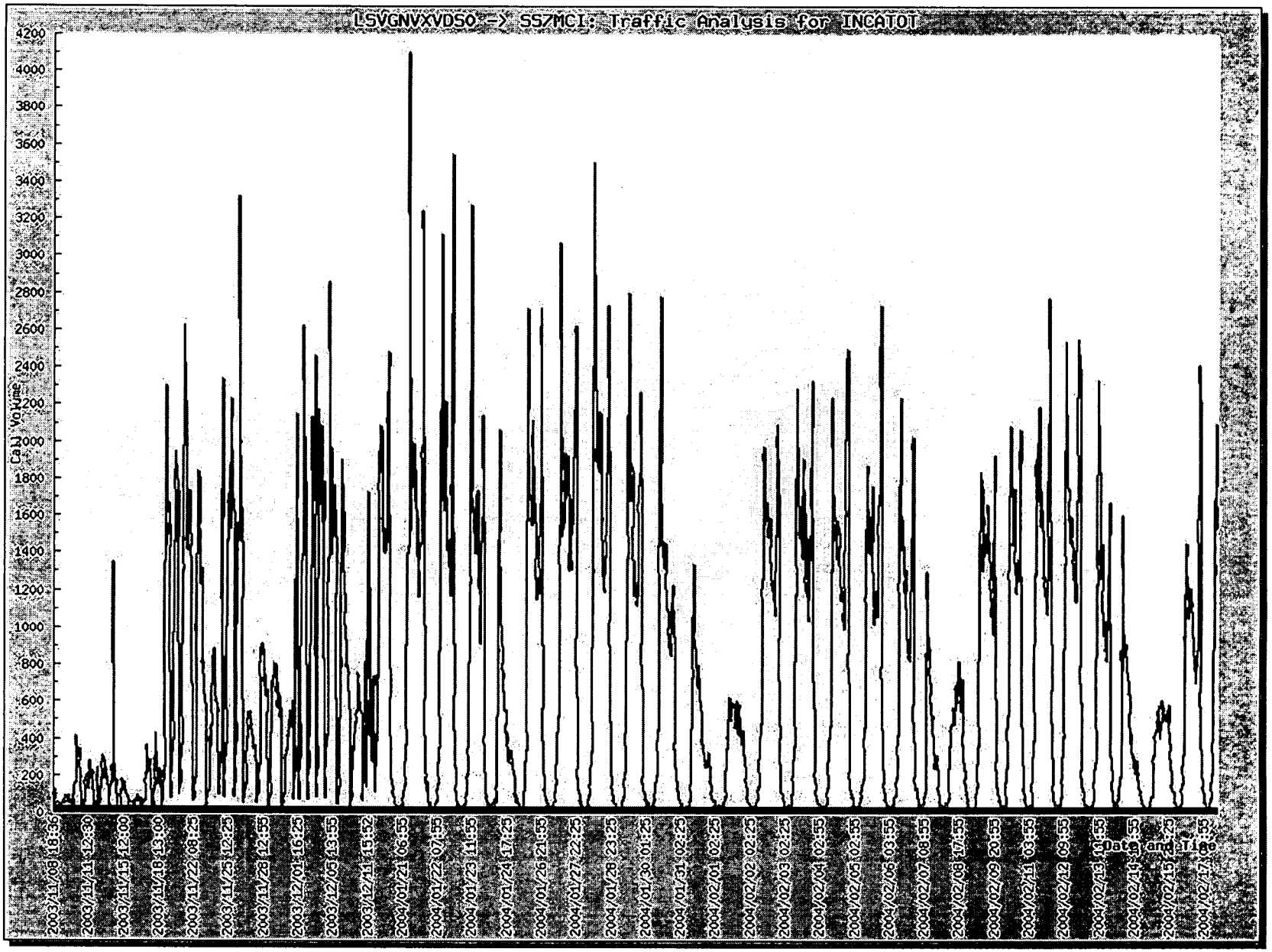

L5VGNVXVDSO -> SS7MCI: Traffic Analysis for INCATOT
Call Volume
Date and Time

FIG. 6D

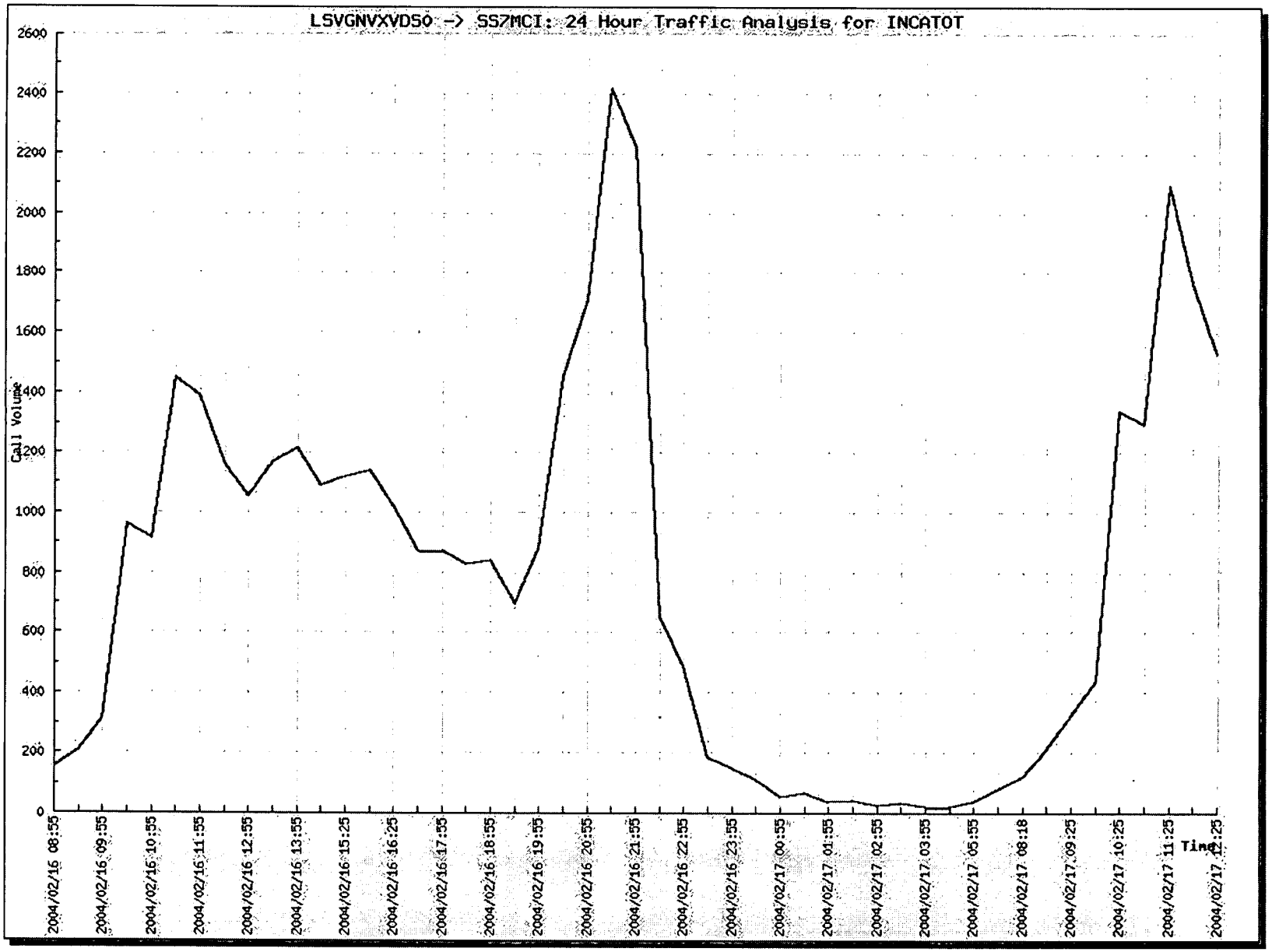

LSVGNVXVDS0 -> SS7MCI: 24 Hour Traffic Analysis for INCATOT
Call Volume
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2004/02/16 08:55
2004/02/16 09:55
2004/02/16 10:55
2004/02/16 11:55
2004/02/16 12:55
2004/02/16 13:55
2004/02/16 15:25
2004/02/16 16:25
2004/02/16 17:55
2004/02/16 18:55
2004/02/16 19:55
2004/02/16 20:55
2004/02/16 21:55
2004/02/16 22:55
2004/02/16 23:55
2004/02/17 00:55
2004/02/17 01:55
2004/02/17 02:55
2004/02/17 03:55
2004/02/17 05:55
2004/02/17 08:18
2004/02/17 09:25
2004/02/17 10:25
2004/02/17 11:25
2004/02/17 12:25
Time

FIG. 6E

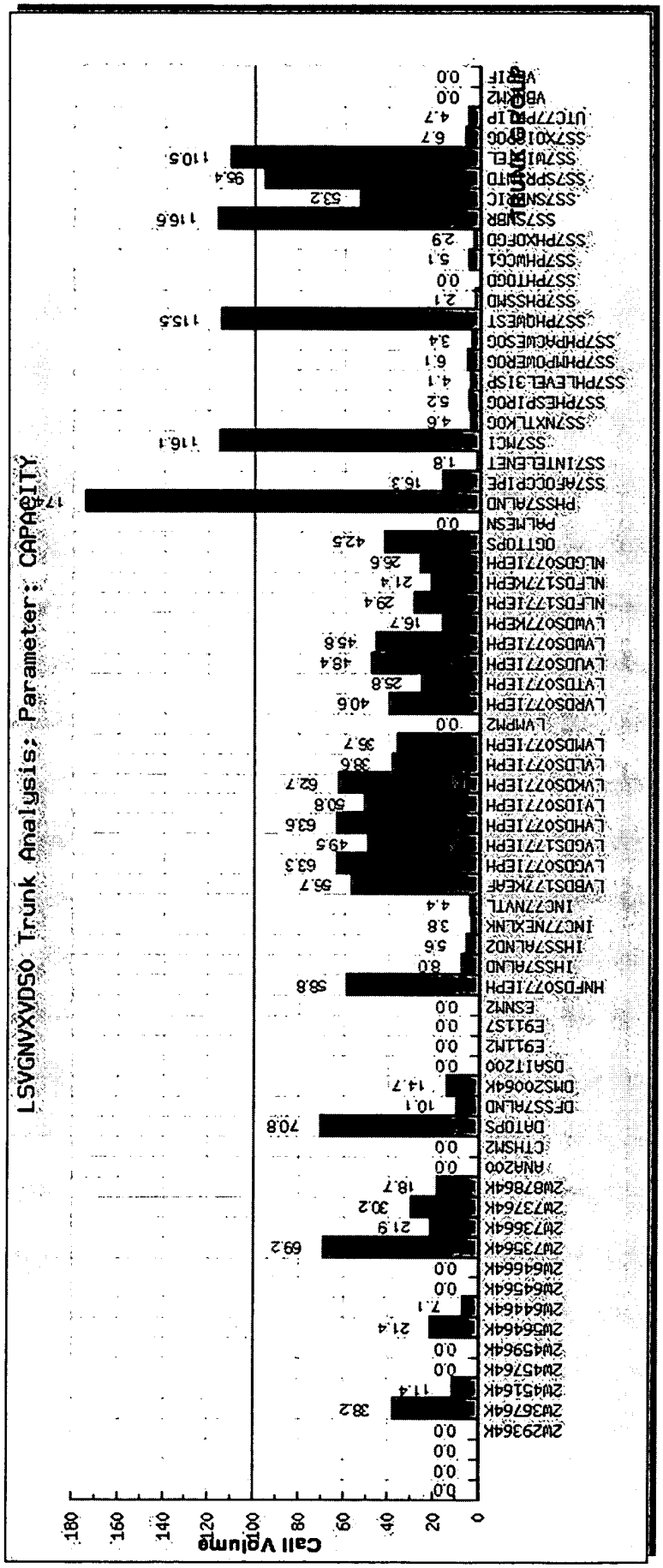

LSVGNVXVDS0 Trunk Analysis: Parameter: CAPACITY
Call Volume
0
20
40
60
80
100
120
140
160
180
Busy
ZW29364K 0.0
ZW36764K 38.2
ZW45164K 11.4
ZW45764K 0.0
ZW45964K 0.0
ZW56464K 21.4
ZW64464K 7.1
ZW64564K 0.0
ZW64664K 0.0
ZW73564K 69.2
ZW73664K 21.9
ZW73764K 30.2
ZW87864K 18.7
ANA2O0 0.0
CTHSM2 0.0
DAT0PS 70.8
DFSS7ALND 10.1
DMS2006K 14.7
DSAIT200 0.0
E911M2 0.0
E911S7 0.0
ESNM2 0.0
HNFDS077IEPH 58.8
IHSS7ALND 8.0
IHSS7ALND2 5.6
INC77NEXLNK 3.8
INC77NVTL 4.4
LVBDS177KEAF 56.7
LVCDS077IEPH 63.3
LVCDS177IEPH 49.5
LVHDS077IEPH 63.6
LVIDS077IEPH 50.8
LVKDS077IEPH 62.7
LVLDS077IEPH 38.6
LVMDS077IEPH 36.7
LVMPM2 0.0
LVRDS077IEPH 40.6
LVTDS077IEPH 25.8
LVUDS077IEPH 18.4
LVWDS077IEPH 45.8
LVWDS077KEPH 16.7
NLFDS177IEPH 29.4
NLFDS177KEPH 21.4
NLGDS077IEPH 26.6
OGTTOPS 42.5
PALMESN 0.0
PHSS7ALND 176.3
SS7AFDCCPIPE 16.3
SS7INTELENET 1.8
SS7MCI 116.1
SS7NXTLKOG 4.6
SS7PHESPIROG 5.2
SS7PHLEVEL3ISP 4.1
SS7PHMPOWERDG 6.1
SS7PHPACWESDG 3.4
SS7PHQWEST 115.5
SS7PHSSMD 2.1
SS7PHTOGD 0.0
SS7PHWCG1 5.1
SS7PHXOFGD 2.9
SS7SNBR 116.6
SS7SNBRIC 53.2
SS7SPRINTD 96.4
SS7WIRELE 110.5
SS7XO1BROG 6.7
UTC77PHLIP 4.7
VBDSM2 0.0
VBRIF 0.0

FIG. 6F